

EFFICACY REVIEW

DATE: IN 11-7-86 OUT 1-12-87

FILE OR REG. NO. 56783-R

PETITION OR EXP. PERMIT NO. \_\_\_\_\_

DATE DIV. RECEIVED October 20, 1986

DATE OF SUBMISSION October 20, 1986

DATE SUBMISSION ACCEPTED \_\_\_\_\_

TYPE PRODUCT(S): (I, D, H, F, N, R, S) \_\_\_\_\_

DATA ACCESSION NO(S). 265658; Record Number: 183805; Action Code: 175

PRODUCT MGR. NO. 15-LaRocca/Dively

PRODUCT NAME(S) Tick Buster

COMPANY NAME IVC Corporation, Incorporated

SUBMISSION PURPOSE To apply for registration of a product to control  
populations of infective ticks responsible for trans-  
mission of diseases, on mice and in their burrows.

CHEMICAL & FORMULATION Permethrin 7.4%

(impregnated on cotton balls at 80mg a.i./kg cotton)

CONCLUSIONS & RECOMMENDATIONS The data are adequate to support registra-  
tion of a claim for reduction of populations of infective ticks involved in  
transmission of Lyme disease and babesiosis around yards and in woodlots by  
controlling ticks attached to mice and/or present in their burrows. Since  
this reviewer is unfamiliar with the biology of field mice, Dr. William Ja-  
cobs was consulted as to the feasibility and practicality of such a product.  
His comments are attached, and of special note are his conclusions as to this  
being a new use despite registrant's position to the contrary; that data re-  
ported are consistent with claims implied for product; and that if disease  
abatement rather than sales is the primary objective, distribution might better  
be handled by county health departments than individual landowners. Also, his  
recommendations as to using sturdier, secured stations instead of tubes in places  
where children were apt to find them and the possibility of securing a Section 18 in  
less time than regular registration due to the nature of the disease threat.

RL Vernel McFarland, IRB-TSS